

RECLAMATION SURETY ESTIMATE						
Interpace Industries		last revision		01/17/03		
Henefer Mine		filename M043-014 WB2		page "estimate D8"		
DOGM file Number M/043/014		Summit County				
Prepared by Utah State Division of Oil, Gas & Mining						
-Access road is pre-existing and will not reclaimed upon closure						
-due to a lack of soil 8" of "proto-soil" will be used - to be spread over entire disturbance.						
Note: actual unit costs may vary according to site conditions					last unit cost update	10/07/02
-Amount of disturbed area which will receive reclamation treatments =					14.4 acres	
-Estimated total disturbed area for this mine =					17.9 acres	
<u>Activity</u>	<u>Quantity</u>	<u>Units</u>	<u>\$/unit</u>	<u>\$</u>	<u>Note</u>	
Ripping stockpile & compacted areas	7.2 acre		246	1771	(9)	
Ripping pit floors	3.8 acre		246	935	(9)	
Ripping pit slopes	3 4 acre		613	2084	(9)	
Surface drainage restoration or construction	1 lump sum		2500	2500	(10)	
Topsoil replacement - push dozer	40 hours		120	4800	(12)	
Topsoil replacement - scraper	15500 CY		1.19	18445	(13)	
Fertilizing (100 lb/acre diammonium phosphate)	0 acre		90	0	(00)	
Composted manure (10 ton/acre)	14 4 acre		300	4320	(00)	
Broadcast seeding	14 4 acre		240	3456	(00)	
General site cleanup & trash removal	7 2 acre		50	360	(00)	
Equipment mobilization	3 equip		2000	6000	(00)	
Reclamation supervision 10% of reclamation cost				4467	(15)	
	Subtotal			49138		
10% Contingency				4914		
	Subtotal			54052		
Escalate for 5 years at 2 82% per year				8063		
	Total			62115		
Rounded surety amount in year 2008 \$					62100	
Average cost per disturber acre =					3470	